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(A) Method and an apparatus for sensing wheel parameters in a wheel balancing machine.

An apparatus and a method for remotely optically sensing the wheel parameters in a wheel balancing machine includes a source (24) which emits a first sheet of light (24). The light is directed at the wheel and tire assembly (16) and reflects a reflected light therefrom. The reflected light is detected. The location of the junction (18) of the wheel rim and the tire of the wheel as assembly is determined from the reflected light. Means is provided for calculating the radial distance and the axial distance to the junction of the wheel rim based upon the location of the junction measured.

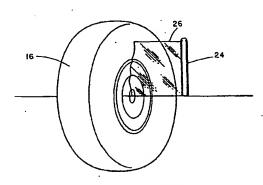


FIG. 3



EUROPEAN SEARCH REPORT

Application Number

EP 93 30 2631

DOCUMENTS CONSIDERED TO BE RELEVANT				
Category	Citation of document with it of relevant pa	ndication, where appropriate,	Relevant to claim	CLASSIFICATION OF THE APPLICATION (Ibt. CL5)
X	* column 3, line 1 claims 1-7,11-14; f * column 6, line 12	- column 4. line 5:	1-7, 14-16, 18-20	G01M1/02
X	US-A-3 918 816 (FOS	TER ET AL) - column 10. line 9:	1,11-13, 17,21	
X A	US-A-4 910 411 (TER summary * figures 1,4,5 *		1 8-11	
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				TECHNICAL FIFLDS SEARCHED (tut. CL5)
				G01M
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	The present search report has	been drawn up for all claims		
Place of search THE HAGUE 2		Data of completion of the exacts 22 SEPTEMBER 1993		HUCS A.A.
CATEGORY OF CITED DOCUMENTS T: theory or prince E: earlier patent & E: earlier patent & after the filling Y: particularly relevant if combined with another U: document cited A: technological background			document, but put g date of in the applicatio	otished on, or n
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